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**DOCUMENT-  
IDENTIFIER:** JP 2001193587 A  
**TITLE:** AIR INTAKE DUCT AND MANUFACTURING METHOD  
THEREFOR  
**PUBN-DATE:** July 17, 2001

**INVENTOR-INFORMATION:**

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**APPL-DATE:** January 17, 2000

**INT-CL (IPC):** F02 M 035/10

**ABSTRACT:**

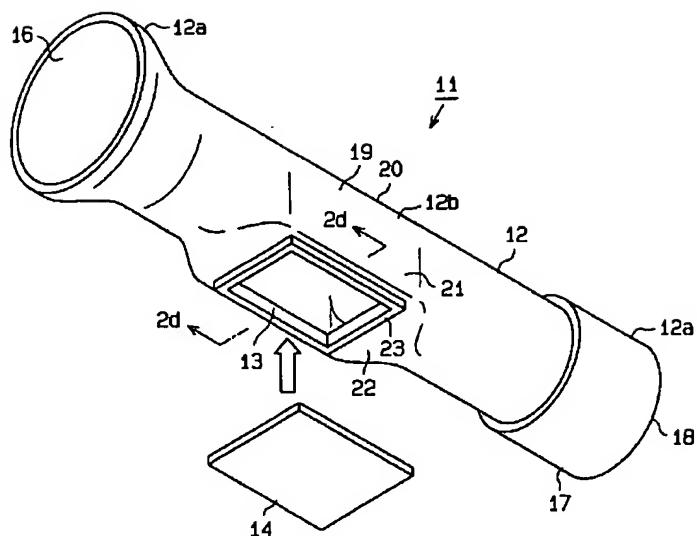
**PROBLEM TO BE SOLVED:** To provide an air intake duct and its manufacturing method capable of effectively reducing air intake noises, and being manufactured at a relatively low cost.

**SOLUTION:** A plane part 22 is formed at the center part 12b of a duct body 12 of an air intake duct 11 for introducing external air into an air cleaner of a vehicular engine, and an

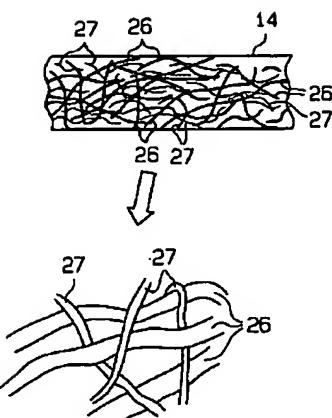
opening part 13 is opened in the plane part 22. The periphery 23 of the opening part 13 is allowed to project outwardly from the plane part 22, and the tip of the periphery is made to form a flat plane. A flat non-woven fabric-molded body 14 is pressed against the periphery 23 in a preliminarily molted state, and the non-woven fabric-molded body 14 is joined and locked to the periphery. In this case, a part of thermoplastic resin of the periphery 23 permeates the inside of the non-woven fabric-molded body 14 to produce a state where fibers of the non-woven fabric-molded body 14 are entangled with the resin three-dimensionally.

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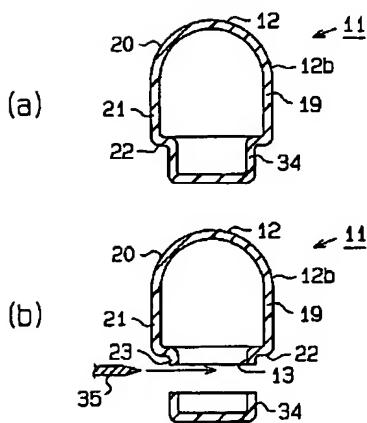
【図1】



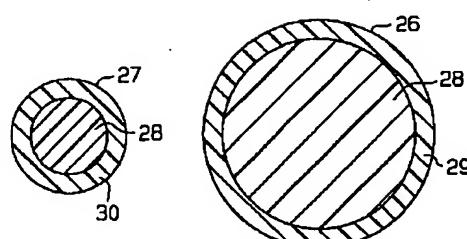
[図3]



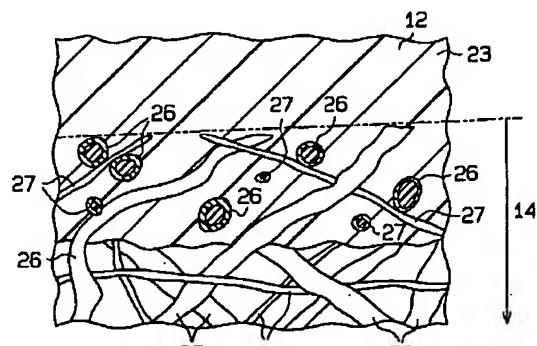
【図2】



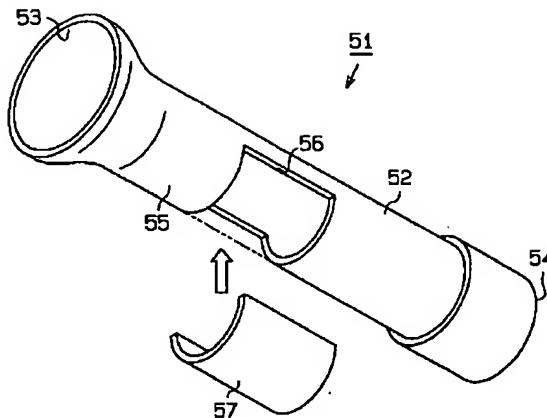
【図4】



【四五】



【図6】



## フロントページの続き

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